ENVIRONMENTAL CHEMISTS

Date of Report: March 4, 1992 Date Submitted: February 24, 1992 Project: 7201, Metro Self Monitor, PO #M23638

RESULTS OF ANALYSES OF THE WATER SAMPLE

FOR TOTAL METALS BY

INDUCTIVELY COUPLED PLASMA (ICP)

METHOD 6010

Results Reported as mg/L (ppm)

Sample #	M23638
Analyte:	
Arsenic	0.2
Cadmium	<0.05
Chromium	1.4
Lead	<0.05
Silver	<0.05
Copper	0.5
Nickel	1.6
Zinc	1.5

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METHOD 6010

Results Reported as mg/L (ppm) Ouality Assurance

Sample #	Method Blank	M23638 (<u>Duplicate</u>)
Analyte:		
Arsenic	<0.1	<0.1
Cadmium	<0.05	<0.05
Chromium	<0.05	1.4
Lead	<0.05	<0.05
Silver	<0.05	<0.05
Copper	<0.05	0.5
Nickel	<0.05	1.6
Zinc	<0.05	1.5

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FOR TOTAL METALS BY

INDUCTIVELY COUPLED PLASMA (ICP)

METHOD 6010

Results Reported as % Recovery
Ouality Assurance

Sample #	M23638 <u>Matrix Spike</u> % Recovery	M23638 Matrix Spike Duplicate % Recovery	Spike <u>Level</u>
Analyte:			
Arsenic	96%	96%	10
Cadmium	100%	100%	5
Chromium	100%	100%	5
Lead	98%	99%	10
Silver	37% a	414	2
Copper	97%	98%	5
Nickel	998	100%	10
Zinc	92%	93%	5

a - No corrective action is required for low silver recoveries.



SAMPLE CHAIN OF CUSTODY



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Received by:						

ENVIRONMENTAL CHEMISTS

Andrew John Friedman James E. Bruya, Ph.D. (206) 285-8282 3008-B 16th Avenue West Seattle, WA 98119 FAX: (206) 283-5044

March 4, 1992

Greg Speer, Project Leader Alaskan Copper 628 South Hanford Seattle, WA 98134

Dear Mr. Speer:

Enclosed are the results of the analyses of the sample submitted on February 24, 1992 from Project 7201, Metro Self Monitor, PO #M23638.

We appreciate this opportunity to be of service to you on this project. If you have any questions regarding this material, or if you just want to discuss any aspect of your projects, please do not hesitate to contact me.

Sincerely

Mark Z Perin, Chemist

MZP/dp

Enclosures

ENVIRONMENTAL CHEMISTS

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